2317123-1 ✔ ACTIVE

TE Internal #: 2317123-1

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 3.96 mm [.156 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **10**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	5
Number of Loaded Positions	10
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2

Number of Power Positions	10

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 µm[31.49 – 70.86 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	1.5mm
Mating Tab Width	1.5 mm[.06 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Rectangular
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Mating Tab Thickness	.5 mm[.02 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Tab
Contact Current Rating (Max)	7 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Rectangular Termination Post & Tail Width	1.1 mm[.043 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Post & Tail Length	3.8 mm[.15 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Latch
Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked

PCB Mount Alignment Type	Boss
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Nylon 6/6 GF

Dimensions

Row-to-Row Spacing	4.6 mm[.181 in]
Connector Width	14.8 mm[.582 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	14.6 mm[.575 in]
Connector Length	20.94 mm[.824 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	168
Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant

China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # 177904-1
POWER D/LOCK PLUG HSG 10P



TE Part # CAT-P87024-R2435
Power Double Lock Receptacle

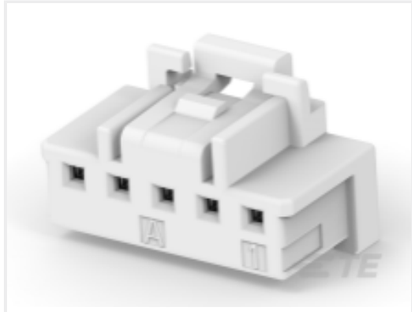
Customers Also Bought



TE Part #CAT-P87024-P729A
Glow Wire Power Double Lock Plug



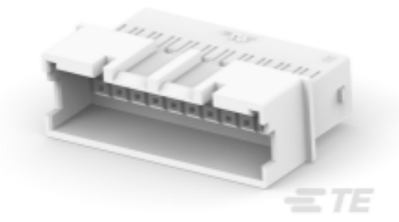
TE Part #1983665-1
1P Double Lock



TE Part #1-2232979-5
SGI2.0 PLUG ASSEMBLY 5P, KEY A, NTL



TE Part #2-2323743-2
HOUSING, PLUG, GWT, 22P, DUAL ROW, EP2.5



TE Part #2-2324201-2
HSG,REC,FREE-HANGING,GWT, DUALROW,EP2.5



TE Part #63253-1
MAG-MATE POST 33-31 010 TPBR

Documents

Product Drawings

POWER DBL LOCK CONN 3.96 MM 10POS HEADE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2317123-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2317123-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2317123-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English